

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,993,068 B1
APPLICATION NO. : 09/686031
DATED : January 31, 2006
INVENTOR(S) : Mikael Isaksson, Lennart Olsson and Denis Julien Gilles Mestdagh

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5.

Line 10, should read -- Network Unit (VTU-O), using the time offset is --.

Line 15, should read -- step of, when an auto-correlation peak amplitude of a --.

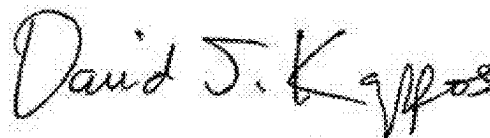
Column 6.

Line 12, should read -- of the first modem pair of the plurality of modem pairs to receive the first DMT --.

Line 32, should read -- modem pair of the plurality of modem pairs based on --.

This certificate supersedes the Certificate of Correction issued April 4, 2006.

Signed and Sealed this
Ninth Day of October, 2012

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D".

David J. Kappos
Director of the United States Patent and Trademark Office